23UFCA14 — STRUCTURED PROGRAMMING IN C(FC)

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is Keyword?

2. Mention any two importance of C programming.

3. What is Loop?

4. Write a syntax for Goto statement.

5. Define an Array.

6. List out the types of Arrays.

7. What do you mean by recursion?

8. Give any three String functions used in C.

9. What is a Pointer?

10. How to declaring a Pointer in C language?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Illustrate the structure of C program.

Or

(b) Exhibit the basic Data Types available in C.

12. (a) Differentiate between while and do – while loop.

Or

(b) Write a program to find the sum of n natural numbers.

13. (a) How to create array of structure variable and assign the values to its members?

Or

(b) How to declare and initialization of One dimensional array with an example?

14. (a) Distinguish between call by value with call by reference.

Or

(b) Demonstrate the Storage classes.

15. (a) Enlist the rules of pointer operations.

Or

(b) Write short note on pointer to functions.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss about different types of operators with suitable example.

17. Exemplify the various Decision making statements with an example.

18. Give an account on Multidimensional array.

19. Expound the different categories of functions.

20. Describe the pointer expressions using arithmetic operations.

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